

moving an agent from a first device to a target device;
re-routing relevant traffic to the target device; and
performing application layer gateway functionality by the agent at the
target device.

A2 9. (Amended) A network comprising:

- a plurality of nodes;
- a plurality of links connecting the nodes;
- a mobile agent residing on a node of the network, where the mobile agent is able to function as an application layer gateway; and
- a route device residing on one node of the network, the route device configured to divert to the mobile agent traffic relevant to the mobile agent.

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Please cancel claim 10.

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C1 16. (Amended) The network of claim 9 where the agent may automatically uninstall itself.

17. (Amended) A method for providing functionality on a network, the network comprising nodes, the method comprising:
moving an agent from a first device to a target device;
re-routing a relevant data stream from a source to the target device; and
at the target device, the agent accepting the data stream from the source, performing a function on the data stream, and passing the data stream to one of a set of client devices.

A4 21. (Amended) A set of instructions residing in a storage medium, said set of instructions capable of being executed by a processor to implement a method for providing functionality on a network, the method comprising:
moving an agent from a first device to a target device;
re-routing relevant traffic to the target device; and